

Claims

1. A method of individualizing a general broadcast signal, comprising:
combining a user identifier and a message to form a first message layer signal;
encoding the first message layer signal;
combining a first source identifier with the encoded first message layer signal to form a
5 second message layer signal; and
encoding the second message layer signal.
2. A method of individualizing a general broadcast signal according to claim 1, further comprising:
combining a second source identifier with the encoded second message layer signal to
form a third message layer signal;
encoding the third message layer signal.
3. A method of individualizing a general broadcast signal according to claim 1, wherein the
encoding of at least one of the first and second message layer signals includes code division
multiples access encoding.
4. A method of individualizing a general broadcast signal according to claim 2, wherein the
encoding of the third message layer signals includes code division multiples access encoding.
5. A method of individualizing a general broadcast signal according to claim 1, further comprising:
receiving the encoded second message layer signal;
decoding the encoded second message layer signal; and

5 decoding the encoded first message layer signal.

6. A method of individualizing a general broadcast signal according to claim 2, further comprising:

receiving the encoded third message layer signal;

decoding the encoded third message layer signal; and

5 decoding the encoded second message layer signal.

decoding the encoded first message layer.

7. A method of individualizing a general broadcast signal according to claim 5, wherein the decoding of at least one of the first and second message layers signals includes code division multiples access decoding.

8. A method of individualizing a general broadcast signal according to claim 6, wherein the decoding of at least one of the first, second, third message layer signals includes code division multiples access decoding.

9. A system for individualizing a general broadcast signal, comprising:

first logic apparatus, operatively connected to receive and to concatenate a user identifier and a message to form a first message layer signal;

5 first encoder, operatively connected to first logic apparatus to encode the first message layer signal;

second logic apparatus, operatively connected to receive and concatenate a first source identifier with the encoded first message layer signal to form a second message layer signal; and
second encoder, operatively connected to the second logic apparatus to encode the second message layer signal.

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10. A system for individualizing a general broadcast signal according to claim 5, further comprising:

third logic apparatus, operatively connected to receive and concatenate a second source identifier with the encoded second message layer signal to form a third message layer signal; and
third encoder, operatively connected to the third logic apparatus to encode the third message layer signal.

11. A system for individualizing a general broadcast signal according to claim 5, wherein the first and second encoders comprise code division multiplex access encoders.

12. A system for individualizing a general broadcast signal according to claim 5, wherein the third encoder comprises a code division multiplex access encoder.

13. A system for individualizing a general broadcast signal according to claim 9, further comprising:

a general broadcast receiver operatively connected to receive the encoded second message layer signal;

5 a first decoder operatively connected to decode the encoded second message layer signal;
and

a second decoder operatively connected to decode the encoded first message layer signal.

14. A system for individualizing a general broadcast signal according to claim 10, further comprising:

a general broadcast receiver operatively connected to receive the encoded third message layer signal;

5 a first decoder operatively connected to decode the encoded third message layer signal;
a second decoder operatively connected to decode the encoded second message layer signal; and

a third decoder operatively connected to decode the encoded first message layer.

15. A system for individualizing a general broadcast signal according to claim 13, wherein at least one of the first and second decoders includes a code division multiples access decoder.

16. A system for individualizing a general broadcast signal according to claim 14, wherein at least one of the first, second, third decoders include a code division multiples access decoder.